

Day-Brite

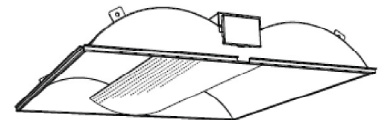
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27579.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27579
[DATE] 07/16/2008
[LUMCAT] 2AVEG214-PMW-EB
[LUMINAIRE] DAY-BRITE 2X2 ARIOSO ESSENCE
[MORE] FULL RECESSED W/ PERF
[LAMP] F14T5
[BALLAST] TRIAD B228PUNV-C
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUEDATE] 7/21/2008
[_TEST_LEVEL]
[_TIFF_FILE_NAME]
[_VERSION] fo2ies 3.0d(90)
[OTHER] Reflection factor 0.92, Test distance = 26 ft.
[MORE] Shielding angle: normal 90, Parallel 90

CHARACTERISTICS

Lumens Per Lamp	1200 (2 lamps)
Total Lamp Lumens	2400
Luminaire Lumens	1535
Total Luminaire Efficiency	64 %
Luminaire Efficacy Rating (LER)	45
Total Luminaire Watts	34
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft



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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1236	1361	1479
55	1120	1359	1551
65	948	1374	1622
75	779	1257	1070
85	555	524	524

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	519	519	519	519	519
2.5	518	519	518	517	517
5.0	517	517	516	516	516
7.5	513	513	513	514	514
10.0	508	509	509	510	510
12.5	502	502	504	505	506
15.0	495	497	499	502	505
17.5	487	488	491	495	497
20.0	478	480	484	489	490
22.5	467	469	475	482	483
25.0	457	459	466	473	476
27.5	442	445	454	463	466
30.0	426	430	440	451	455
32.5	412	418	430	439	448
35.0	398	402	418	431	438
37.5	380	387	402	419	425
40.0	363	370	389	406	413
42.5	344	353	374	393	401
45.0	325	335	358	380	389
47.5	304	315	342	365	374
50.0	283	295	325	350	360
52.5	262	275	308	335	346
55.0	239	253	290	319	331
57.5	216	232	272	303	316
60.0	194	212	254	287	298
62.5	171	192	234	269	278
65.0	149	171	216	246	255
67.5	129	151	196	222	228
70.0	111	132	175	193	194
72.5	91	112	149	157	152
75.0	75	93	121	113	103
77.5	58	74	86	71	69
80.0	43	53	51	48	50
82.5	29	33	30	32	32
85.0	18	17	17	18	17
87.5	8	7	7	7	7
90.0	4	2	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	404.21	16.80	26.30
0-40	664.81	27.70	43.30
0-60	1196.88	49.90	78.00
0-90	1535.28	64.00	100.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
0-180	1535.28	64.00	100.00

Total Luminaire Efficiency = 64.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	49.06
10-20	140.77
20-30	214.38
30-40	260.60
40-50	275.48
50-60	256.59
60-70	205.90
70-80	110.33
80-90	22.17
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

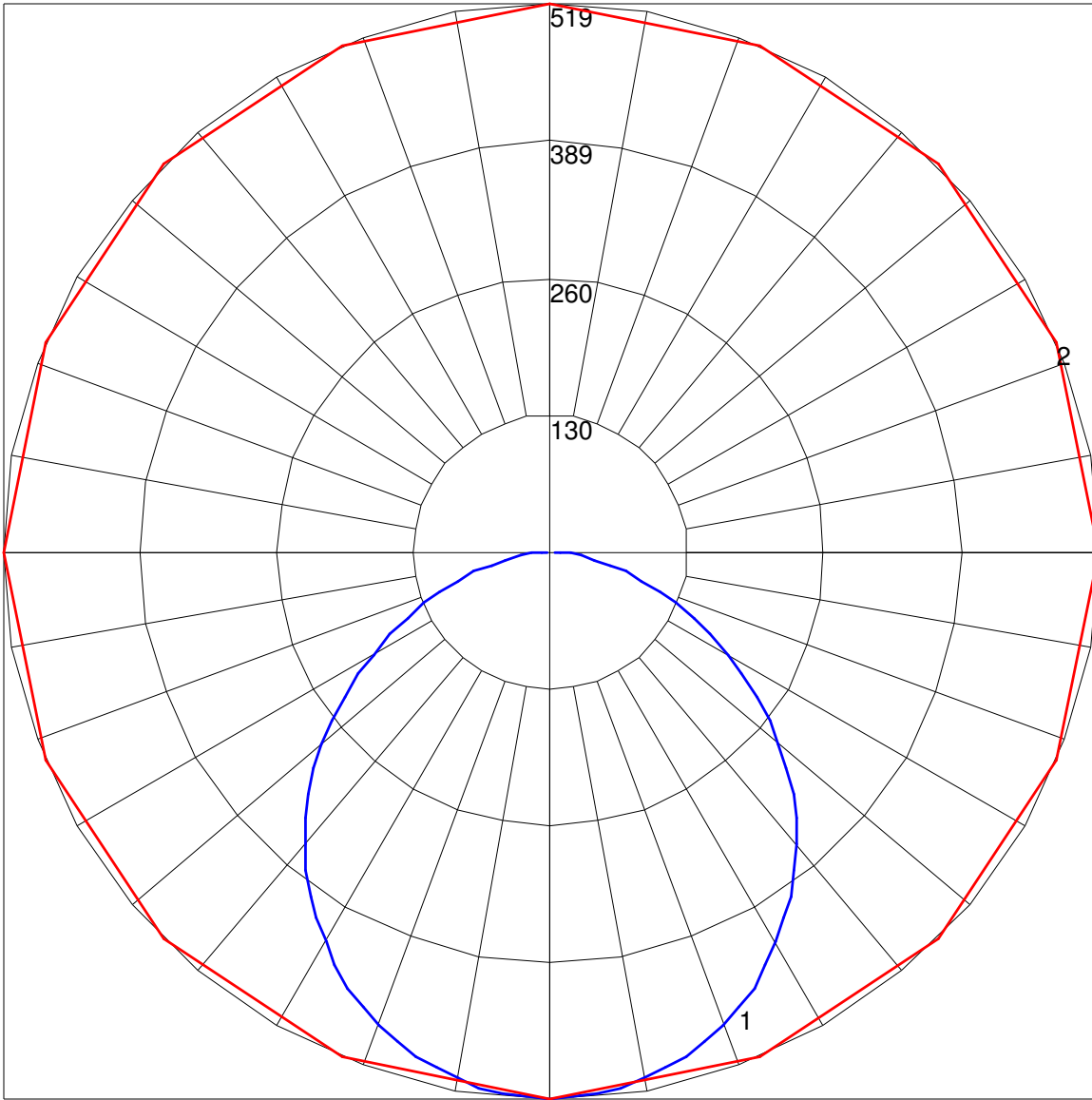
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	76	76	76	76	74	74	74	74	71	71	71	68	68	68	65	65	65	64
1	70	66	64	61	68	65	62	60	62	60	58	60	58	57	57	56	55	53
2	63	58	53	50	61	57	52	49	54	51	48	52	49	47	50	48	46	44
3	57	51	45	41	56	49	45	41	48	43	40	46	42	39	44	41	38	37
4	52	45	39	35	51	44	38	34	42	37	34	41	37	33	39	36	33	31
5	48	40	34	30	47	39	34	29	38	33	29	36	32	29	35	31	28	27
6	44	36	30	26	43	35	30	26	34	29	25	33	28	25	32	28	25	24
7	41	32	27	23	40	32	26	23	31	26	22	30	26	22	29	25	22	21
8	38	29	24	20	37	29	24	20	28	23	20	27	23	20	27	23	20	18
9	36	27	22	18	35	27	22	18	26	21	18	25	21	18	25	21	18	17
10	33	25	20	16	33	25	20	16	24	19	16	23	19	16	23	19	16	15

POLAR GRAPH



Maximum Candela = 519 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)